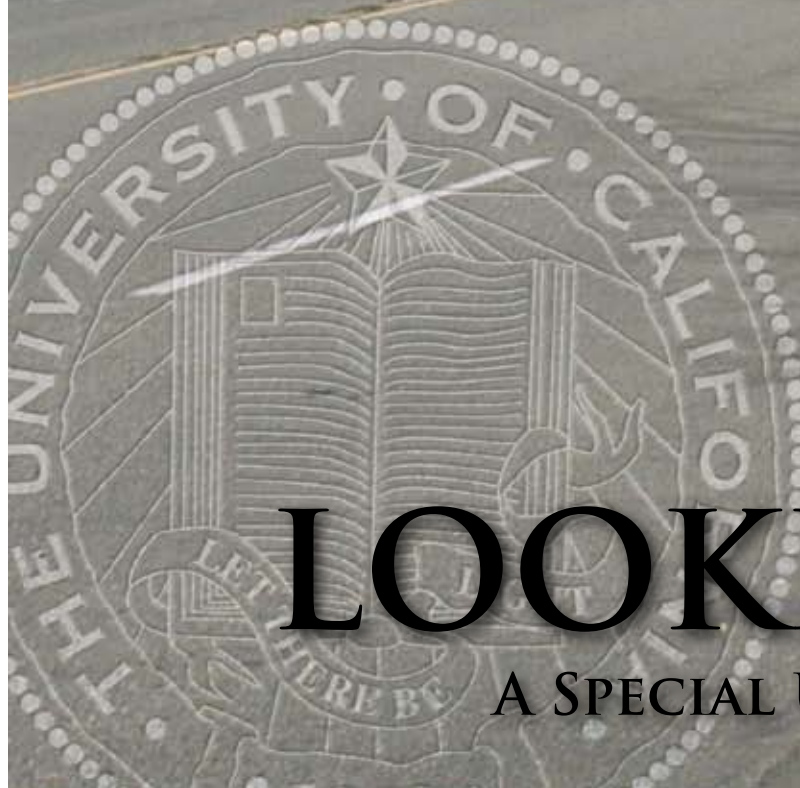


THE UC LEGACY



LOOKING BACK

A SPECIAL UC COMMEMORATION

CELEBRATING THE
LABORATORY’S
UC LEGACY

BY GEORGE MILLER



Next week, we will host a UC Celebration Day. I invite you to join me on Tuesday, Sept.25, in celebrating our proud University of California heritage. This event will be a wonderful opportunity for us to reflect upon and celebrate the enduring and defining link between UC and the Lawrence Livermore National Laboratory.

When our Laboratory was founded, the Soviet Union had developed nuclear weapons years earlier than expected; the Iron Curtain had descended over Eastern Europe; China had fallen to communism; and the United States was embroiled in the Korean War. A second nuclear design laboratory was proposed to augment the efforts at Los Alamos and speed progress and innovation by providing essential peer review and intellectual competition. On Sept. 2, 1952, the Livermore branch of the University of California Radiation Laboratory opened its doors. The staff of 76 was young and enthusiastic and drawn largely from UC Berkeley.

Our beginnings were modest, and a number of spectacular failures preceded success. But the “new ideas laboratory” persevered and was soon making major advances in national security technology with the design of the warhead for the Polaris missile and accompanying achievements in applied science and engineering. Throughout the decades, we have stayed true to Ernest O. Lawrence’s passion for “big science.”

The Lawrence hallmark of multidisciplinary team science is a continuing source of Livermore’s innovation and a key to our mission success. It promotes cross-fertilization and synergy of ideas across program boundaries. It integrates and accelerates the development of theoretical, experimental and computational capabilities that push the frontiers of knowledge. Time and again, we have turned challenges into opportunities and obstacles to program success into stepping stones for scientific discovery and technology breakthroughs. For more than a half-century, the University of California has ensured the scientific and technical excellence of this Laboratory and fostered a culture of intellectual freedom and integrity. The success of this approach is indisputable — a Nobel Prize, a MacArthur Foundation genius award, five Enrico Fermi awards, 25 E. O. Lawrence awards and 113 R&D 100 awards. Echoing UC’s three-fold mission of teaching, research and public service, a long list of LLNL scientists have provided outstanding leadership to the country, during and outside their tenures at Livermore, in the realms of national service, research, and education.

The university continues to put its stamp on the Laboratory. Six scientific institutes targeting fields critical to LLNL’s mission connect Laboratory and UC researchers in exciting collaborations. Over the past five years, nearly one third of Laboratory publications in peer-reviewed journals have been co-authored with UC colleagues. Roughly a quarter of current Laboratory employees earned their highest degrees from a UC campus.

Clearly, our ties to the University of California extend far beyond a management contract. We are connected through 55 years of history. We are connected through numerous ongoing research collaborations. Perhaps most important, the university’s values of intellectual integrity, commitment to public service, and passion for mission are part of the fundamental fabric of our Laboratory culture, and our connection to UC will endure for as long as we share these values. In its role as a major partner in the new Lawrence Livermore National Security LLC, the University will retain its close connection to our Laboratory and support the continuation of world-class science in the national interest.

‘For more than a half-century, the University of California has ensured the scientific and technical excellence of this Laboratory and fostered a culture of intellectual freedom and integrity.’

MAKING HISTORY...MAKING A DIFFERENCE
A COMMEMORATIVE BOOK CELEBRATING SIX DECADES OF EXCELLENCE

In commemoration of its remarkable history managing Lawrence Livermore National Laboratory, the University of California has commissioned a beautiful photo book, entitled “*Making History ... Making a Difference.*” With more than 450 images, this large-format volume portrays many of the memorable events and programs in Laboratory history.

“*Making History ... Making a Difference*” was designed as a celebration of the Laboratory, its people, and its history, and it is offered by the University as a thank-you gift to all LLNL employees.

Following a timeline through the tenures of all 10 Laboratory directors, the book covers the six decades of history. It illustrates LLNL’s major accomplishments, from the earliest work on nuclear weapons through the Lab’s groundbreaking achievements in physics, materials science, chemistry and computation. “*Making History ... Making a Difference*” also features today’s efforts on stockpile stewardship, fusion ignition, computational and experimental science, and homeland security — as well as support activities that make the Laboratory the special place that it is.

While internationally recognized for the devices, inventions and facilities it has



created, LLNL is, first and foremost, a collection of amazingly talented people. Many of the photographs in “*Making History ... Making a Difference*” highlight LLNL staff in ordinary circumstances, both at work and at play. The photo history illustrates a Laboratory that has always attracted gifted employees, and it clearly depicts how a dedicated staff — focused on mission — has contributed enormously to ensuring the security of the nation.

“*Making History ... Making a Difference*” marks the end of UC’s management. As much as punctuating an ending, it hails a beginning, as UC and its LLNS partners reinvent a Laboratory for tomorrow.

Employees should have received a special redemption postcard this week, which will allow them to receive a special photo book highlighting UC’s stewardship of the Laboratory. The books will be distributed in the exhibit tent at the event and the redemption card is required.

Employees who are not on site Tuesday may bring their redemption card and pick up the book in the cafeterias any time after Tuesday. Because of the limited number of copies and to ensure that all employees receive a book, copies can only be picked up in person.

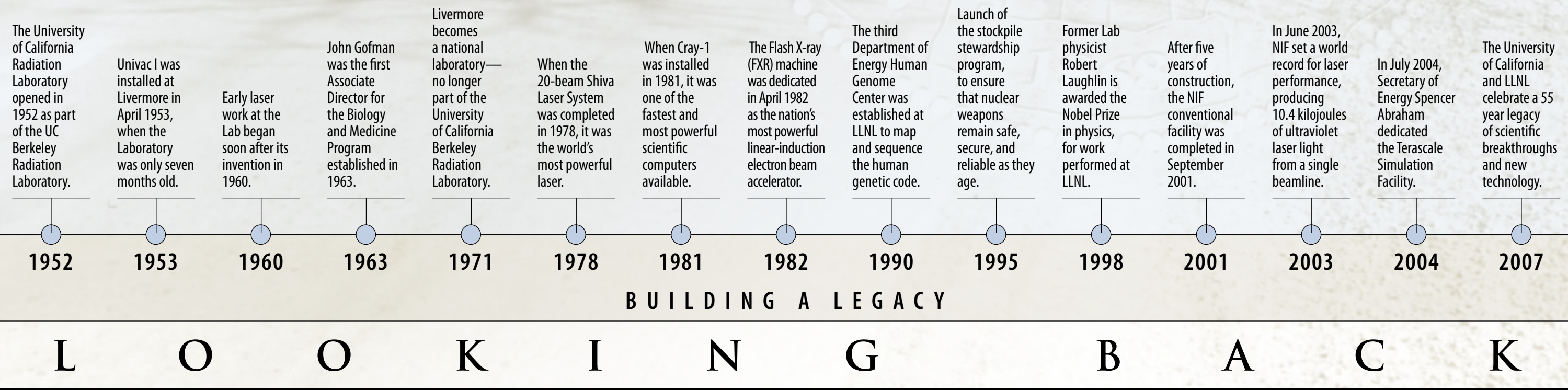
Celebration schedule of events Tuesday. Sept. 25

Mark your calendars for Tuesday, Sept. 25, and make plans to participate in a celebration of the Laboratory’s 55-year association with the University of California.

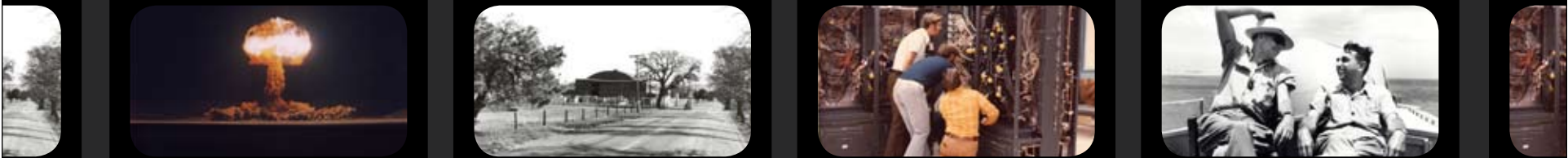
Former directors panel and video — “A Last Look Back” 2-3:30 p.m. Bldg. 123 auditorium
Panel members include former directors John Foster, Mike May, John Nuckolls and Bruce Tarter, former deputy directors Bob Kuckuck and Jeff Wadsworth, former principal Laboratory associate director Phil Coyle, and former associate director for lasers John Emmett.
A specially produced video, “A Last Look Back,” will be shown immediately before the panel discussion.
The panel discussion also will be broadcast live to the auditoriums in Bldgs. 155, 453, 482 and 543.

Directorate displays and exhibits 10:30 a.m. - 1:30 p.m. and following the panel discussion A-2 parking lot
The directorate displays will be housed in a large tent erected in the newly repaved A-2 parking lot, near the West Cafeteria. The exhibit tent will be open from 10:30 a.m. to 1:30 p.m. and from 3:30 to 5:30 p.m. Among the displays will be Niffy, the model of a woolly mammoth whose fossilized bones were unearthed during construction of the National Ignition Facility (NIF). The West Cafeteria will be closed on Tuesday.

Barbecue lunch and live music 11:45 a.m. - 1 p.m. A-2 parking lot
Tickets will be available for sale in the Central and West Cafés during the lunch hour and need to be purchased by today. Lunch will consist of a tri-tip sandwich, grilled chicken sandwich or vegetarian garden burger with a bag of chips, cookie and beverage. A caesar salad with a cookie and beverage also are available. Complimentary dessert and bottled water will be served, and the TID band will provide lunch-time musical entertainment.



LLNL HISTORICAL FILM FESTIVAL



Monday, Sept. 24
12:10 p.m.
Bldg. 123 auditorium
“Forward Area Nevada”

27 minutes, 1958
“Forward Area Nevada” describes the 1957 Operation Plumbbob at the Nevada Test Site. Beginning with a description of the Test Site and Camp Mercury, the film shows preparations, testing, and data collection for tower, tunnel, and balloon shots, including the Rainier event, the first contained underground nuclear test.

Wednesday, Sept. 26
12:10 p.m.
Bldg. 123 auditorium
“A Beginning Without End”

31 minutes, 1958
Produced by Lawrence Radiation Laboratory, “A Beginning Without End” describes the primary research in nuclear physics at the Berkeley Lab and applied research at the Livermore Lab. The film touches on Plowshare, biomedical research, computing, engineering, Site 300, and the Nevada Test Site. A highlight of the film is original footage of Ernest Lawrence using a mechanical model to demonstrate how the cyclotron works.

Thursday, Sept. 27
12:10 p.m.
Bldg. 123 auditorium
Double Feature
“A Calculated Growth”

19 minutes, circa 1982
“A Calculated Growth” traces the history of computing at the Lab and demonstrates the modern equipment in use in the 1980s. It provides a fascinating look at the hardware of the time including the automatic tape library, high speed printers, and storage devices.

“The Hands of Research”

18 minutes, 1968
“The Hands of Research” honors the contributions of “the men who translate ideas into reality,” the mechanical technicians. Focusing on the Alice machine, an early experiment in controlled thermonuclear research, the film shows how technicians interact with scientists and engineers to solve design problems.

Friday, Sept. 28
12:10 p.m.
Bldg. 123 auditorium
“Atoms Old and New: The Life and Times of Ernest Orlando Lawrence”

67 minutes, 1982
“Atoms Old and New,” produced by Livermore’s award winning filmmaker, Ray Jaeger, traces the life of Ernest Lawrence from his childhood, to his education, to the founding of Lawrence Livermore National Laboratory. The film includes interviews with former Lab directors Herb York, Edward Teller, Harold Brown, and John Foster as well as Glenn Seaborg, Edwin McMillan, and Lawrence’s wife, Molly, and brother, John.

JOIN IN THE CELEBRATION OF THE LAB’S SIX-DECADE JOURNEY
UNDER THE LEADERSHIP OF THE UNIVERSITY OF CALIFORNIA



TUESDAY, SEPT. 25, 10:30 A.M. TO 5 P.M.